



At a Glance.....

PEST/DISEASE/CULTURE	JULY 13 – JULY 19 Cover Sprays	JULY 20 – JULY 26 Cover Sprays
SPOTTED WING DROSOPHILA Lannate, Imidan, Malathion, Delegate/Entrust, Asana, Brigade, Danitol, Mustang- Max	Treat on a seven day schedule. Use materials effective for SWD.	Treat on a seven day schedule. Use materials effective for SWD.
BLUEBERRY MAGGOT See list or use the same products as for SWD.	Monitor traps and treat if catching 1 or more flies per trap in any production area.	Monitor traps and treat if catching 1 or more flies per trap in any production area.
ORIENTAL BEETLE Admire or imidacloprid generic. Mating disruption.	Monitor and treat with imidacloprid (Admire Pro) or generic product through mid July if OB populations are high. Alternatively use mating disruption.	If treating, treatments should have already been made. This is the very last chance.
APHIDS Assail, Admire, or Actara	Treat if over 10% of terminals are infested.	Treat if over 10% of terminals are infested.
PUTNAM SCALE Esteem or Diazinon	Monitor for 2 nd generation crawler activity.	Monitor for 2 nd generation crawler activity.

Culture

Dr. Gary C. Pavlis, Ph. D
Atlantic County Agricultural Agent

Farm visits this week did not turn up any big problems. Everyone is busy harvesting both 'Duke' and 'Bluecrop'. The quality that I saw in the packing houses was very good however fruit size on 'Duke' was very variable. My guess is this was due to some bud damage during the winter. In addition, I saw quite a bit

of soft fruit which I am at a loss to explain. It may be just the fact that we are now using hi-tech sorters that cull out soft fruit but usually soft fruit is due to the inability of the grower to get the berries picked in a timely manner and that may be the case here. As the temperature goes the picking schedule should tighten up a bit. Easier said than done.

It appears that most fields of 'Duke' are down 15-20% in yield. That again I believe is due to winter bud damage. Fruit that is not #1 is being sent to the juice market however the prices I have heard for that market are quite low. Growers may want to investigate the blueberry demand that has been created by the wineries in New Jersey. Many wineries make blueberry wine and they do not need #1 fruit, soft fruit, green fruit is fine. The prices I have heard from them are much better than the juice market. All winery phone numbers and addresses can be found on the Garden State winegrower's web site, www.newjerseywine.com. If not accomplished already, it is my recommendation that all nitrogen applications

should cease after July 4th. Late applications have many negative effects that have been discussed many times in this newsletter and at grower meetings.

Lastly, I would like to introduce Amy Raudenbush to the growers as a new member of our Rutgers blueberry team. Amy will provide leadership and support, in collaboration with Fruit IPM Agent Dean Polk, in identifying and conducting integrated pest management program needs and coordination and general program support for the commercial blueberry industry. She is filling the position recently vacated by Gene Rizio. Welcome Amy!

Insects

Dr. Cesar Rodriguez-Saona, Extension Specialist in Blueberry Entomology, Rutgers University
Mr. Dean Polk, IPM Agent – Fruit

Welcome Amy Raudenbush! Amy is now the Fruit IPM Program Associate working in blueberries. A native of New Jersey, Amy joined the Fruit IPM Program this past Tuesday, July 8. After getting a Bachelors degree from Rutgers and working in the Entomology Department, she received an MS in Entomology from Kansas State University, and worked as a research associate in IPM programming. Amy is now visiting with growers and assessing SWD populations, along with other pests. Amy is stationed in the Rutgers Cooperative Extension Offices of Atlantic County, and will be able to be reached at 609-625-0056 or by her cell number at 609-313-2406.

Spotted Wing Drosophila (SWD): SWD adults have been captured starting on July 2 on 2 farms in the Hammonton area. Both traps registered captures of single adult males. We have 3 types of traps out. These are baited with apple cider vinegar (ACV), the Trecé A&B

lure, and the experimental *Susukii* bait. Only the Trecé traps have captured flies so far. Additional traps have continued to capture low numbers of flies, mostly single captures. Even though the numbers are low, growers should be on a 7 day protective program for the remainder of the season. All previously listed materials that are effective for SWD are suggested. One exception is to avoid Delegate if **Blueberry Maggot** is present in medium to high numbers. This means if BBM trap captures are over 1 fly per trap. To date we have seen only 1 site in the Hammonton area with 2 flies per trap. All other traps have been at "0" with a rare "1". All trap captures in Burlington County this past week were at "0" per trap

Redbanded Leafroller (RBLR): Adults are now flying. These are second generation adults which will mate and lay eggs that produce

larvae during the middle of the month. It is highly unlikely that RBLR will be an issue, and even if larvae are seen, most berries will have already been harvested.

Putnam Scale: Scale is present on at least 4 farms at treatable levels. We are in the process of installing “tape traps” to monitor the crawlers. The immature crawlers should start to emerge late in July or early August. Any growers who have noticed scale on their berries are sure to have bushes that are under stress from scale populations. Keep a record of

which fields these berries are from and plan to treat those fields when crawlers are present. Coverage is the name of the game for scale control. For full size bushes nothing under 40 gal per A is suggested. You can use either Diazinon or Esteem, but if you used Diazinon once already then you cannot use it again. Esteem has a longer residual, and can be applied after the first week of crawler emergence. More on this later when crawlers emerge.

Insect Trap Counts

Not available this week.

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BLUEBERRY BULLETIN

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I would like to see an article on the following subjects: _____

I would like to comment on the following articles: _____

Title: _____ Date: _____

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